

ABSTRACT

A system and method of operating a computer to
5 perform an engineering change decision analysis of an
engineering design change in a product are provided. The
method includes the steps of displaying a list of change
drivers that are causing the engineering design changes
and receiving a selection of a change driver from a user,
10 displaying a set of questions soliciting general cost
information associated with the engineering design
change, and displaying a set of questions soliciting
change driver-specific information associated with the
selected change driver. The method then receives answers
15 to the set of general cost questions from the user, and
also receives answers to the set of change driver-
specific questions from the user. The method then
computes an expected value associated with the
engineering design change using the answers saved in
20 memory, a value associated with not implementing the
engineering design change using the change driver-
specific answers saved in memory, and then compares the
computed expected value with the value from not making
the change to generate a recommendation of whether the
25 engineering design change should be implemented in
response to the comparison.